

What I claim is:

1 A plug, comprising:

2 a first base bearing a keyway providing (a first electrical conductor) and an orifice  
3 spaced-apart from and separated by a mass of said plug from said keyway;

4 a second base separated by an axial length of said plug from said first base, said second  
5 base bearing means for supporting a cam;

6 an exterior surface extending between and engaging said first base and said second  
7 base;

8 locking means responsive to a key inserted into said keyway to accommodate rotation  
9 of said plug relative to a cylinder surrounding said plug when the key while inserted into said keyway  
10 engages in a selected relation with said locking means and engaging the cylinder absent said selected  
11 relation;

12 a second electrical conductor terminating with an electrical contact exposed to an  
13 exterior of said first base through said aperture;

14 an electronic logic circuit coupled to receive electrical power and data signals via said  
15 first and second electrical conductors, and generating control signals in dependence upon said  
16 electrical power and data signals; and

17 an electrical operator having a distal member travelling in dependence upon said  
18 control signals between a first position relative to said exterior surface enabling rotation of said plug  
19 in relation to a cylinder surrounding said plug and a second and different position relative to said  
20 exterior surface obstructing said rotation of said plug in relation the cylinder.

2. The plug of claim 1, comprising said locking means, logic circuit and electrical operator simultaneously experiencing said rotation relative to the cylinder whenever said plug rotates relative to the cylinder.

3. The plug of claim 1, comprising said locking means, logic circuit and electrical operator being wholly within the cylinder and travelling with said plug whenever said plug moves relative to the cylinder.

4. The plug of claim 1, with said electrical operator maintaining said distal member within said plug with said distal member extended not beyond said exterior surface while said distal member is in said first position, and maintaining said distal member in engagement with the cylinder while said distal member is in said second position.

5. The plug of claim 1, with said electrical operator maintaining said distal member within said plug with said distal member extending not beyond said exterior surface while said distal member is in said first position, and moving said distal member radially between said first position inside said exterior surface and said second position radially beyond said exterior surface, in dependence upon said control signals.

add  
a'  
add  
B'  
add  
C'

add  
E'  
add  
I 21

add  
h 6

-27-

add  
J 1

add  
K 6  
add  
L 1  
add  
P 131

add  
R 121